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(PTO ASSISTANCE)

Application : 09/806604 Examiner : Mullins GAU : 2834

From : PAP Location : (IDC) FMF FDC Date : 4/29/05

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DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input checked="" type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input checked="" type="checkbox"/> Foreign Priority
<input type="checkbox"/> CLM	_____	<input type="checkbox"/> Document Legibility
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<input type="checkbox"/> DRW	_____	
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[RUSH] MESSAGE: A 35 U.S.C. 119(a)-(d) foreign priority claim cannot be based on a U.S. application. Please make all necessary corrections to file wrapper and specification. See MPEP 1893.03(c) 'Priority Claim under 35 U.S.C. 120.

Thank you

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REV 10/04

MOTOR ENDSHIELD ASSEMBLY FOR AN

ELECTRONICALLY COMMUTATED MOTOR

This application is a continuation of U.S. Pat. No. 5,991,413 filed 4/29/1999, which is a continuation of U.S. provisional 60/091,257 filed 4/30/1998.

BACKGROUND OF THE INVENTION

This invention relates generally to electric motors and more particularly, to an endshield assembly for an electric motor.

Known electronically commutated motors have a multi-stage winding assembly and a magnetic assembly associated for relative rotation. The winding stages of the multi-stage winding assembly have a preset energization sequence that includes at least one unenergized winding stage in which an induced back EMF appears. When integrated over time to a predetermined value, the induced back EMF indicates the instant at which the relative angular position between the multi-stage winding assembly and the magnetic assembly is suitable for the sequential commutation of the next winding stage.

The electronic circuitry for an electronically commutated motor generally includes a power circuit, a regulating circuit, and a control circuit. The power circuit has solid state switching devices for commutating the power supplied to the electronically commutated motor to effect its energization. The regulating circuit has various solid state components for maintaining the power supplied to the electronically commutated motor generally constant. The control circuit has various solid state components for controlling the conductivity of the switching devices.

Some of the solid state components for an electronically commutated motor, e.g., transistors, need to be relatively large to accommodate the currents that must pass through them. Large transistors can produce a sizable amount of heat that should be dissipated from the transistors in order to keep them functioning properly. It is well known in the art that to promote heat dissipation, the electronic circuitry for an electronically commutated motor can be positioned adjacent an outer surface



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SERIAL NUMBER 09/806,604	FILING OR 371(c) DATE 08/03/2001 RULE	CLASS 310	GROUP ART UNIT 2834	ATTORNEY DOCKET NO. 03-L0-6740
APPLICANTS Kamron M. Wright, Fort Wayne, IN; Peter B. Lytle, Fort Wayne, IN; Andrew N. Young, Roanoke, VA;				
** CONTINUING DATA ***** This application is a 371 of PCT/US99/14753 06/29/1999 which claims benefit of 60/091,257 06/30/1998				
** FOREIGN APPLICATIONS *****				
Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after met Allowance Verified and Acknowledged		STATE OR COUNTRY IN	SHEETS DRAWING 5	TOTAL CLAIMS 25
Examiner's Signature _____ Initials _____		INDEPENDENT CLAIMS 3		
ADDRESS John S Beulick Armstrong Teasdale One Metropoliatn Square Suite 2600 St Louis ,MO 63102				
TITLE MOTOR ENDSHIELD ASSEMBLY FOR AN ELECTRONICALLY COMMUTATED MOTOR				
FILING FEE RECEIVED 910	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:		<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit	